		ORDER I	OR SUP	PLIES OR SERV	ICES					DF PAGES
IMPORTANT:	Mark all packages and papers v	vith contract	and/or ord	er numbers.					1	10
1. DATE OF OR	DER 2. CONTRACT NO. (If an EP-W-13-030	y)						6. SHIP TO:	~	
09/20/20:					a. NAM	OF CO	NSIGNEE			
3. ORDER NO.		4. REO	UISITION/RI	EFERENCE NO.	┪					
0007		0.000.000	Schedu		Regi	on 10)			
5 5 261	ICE (Address correspondence to)					ETADD	RESS Onmental Prote	ction Ac	rencv	
	onmental Protectio	n Ageno	v				h Avenue, Sui		gen e y	
	os Building	n ngene	-1							
	nsylvania Avenue,	N.W.								·
Mail Cod	V=1				c. CITY				d. STATE	e. ZIP CODE
Washingt	on DC 20460				Seat	tie			WA	98101
7. TO: JUDY	MANLEY				f. SHIP	VIA		31		•
a NAME OF CO TECHLAW,							8. TYPE	OF ORDER	1	
b. COMPANY N	AME				☐a. P	URCHAS	3E		X b. DELIVER	· · · · · · · · · · · · · · · · · · ·
c. STREET ADD		a 45 15				ENCE Y				
14500 AV (b)(4)	ION PKY STE 300								reverse, this deliv	instructions on the ery order is subject
(-/(·/						8			only of this form a	ntained on this side and is issued
							e following on the terms		subject to the ten	ns and conditions
d. CITY			e. STATE	f. ZIP CODE			pecified on both sides of the attached sheet, if any,	1	Of the above-field	ibered contract.
CHANTILLY			VA	201511108		_	y as indicated.			
9. ACCOUNTING	G AND APPROPRIATION DATA				10 REC		NING OFFICE			
	CLASSIFICATION (Check appropri	iate box(es))	-		11110		. 140-		12. F.O.B. PO	INT
a. SMALL	X b. OTHER THAN SMAL	r 🗌	c. DISADVA	NTAGEDd. W(OMEN-OWN	ED	e. HUBZone			
f. SERVIC	E-DISABLED G. WOMEN-C AN-OWNED ELIGIBLE UI	WNED SMAI	L BUSINES	S (WOSB)	EDWOSB				\	
VETER/	AN-OWNED LIGIBLE UI	NDER THE W	OSB PROG	RAM 🖵						
	13. PLACE OF			14. GOVERNMENT B/L	NO.		15. DELIVER TO F.O.B. P ON OR BEFORE (Date)		16. DISCOL	INT TERMS
a INSPECTION Destinat							12			
Descrinac	Jesem Jesem			17. SCHEDULE (S	ee reverse i	or Rejec	tions)			
					QUANTI	τγl	UNIT		1	QUANTITY
ITEM NO.	SUPPL	IES OR SER	VICES		ORDER	D UNIT			TNUC	ACCEPTED
(a)		(b)			(c)	- (0)	(e)		f)	(g)
		11863	luidiae	nd Rod		ł				
	ESAT R10- Task Ord Asbestos Segregato									
	Background			3					ļ	
									İ	
	The contractor's p	rice e	stimate	e as						
	Continued									
	18. SHIPPING POINT	****		19. GROSS SHIPPING	WEIGHT		20. INVOICE NO.			17(h)
	10.017		,				A STATE OF THE STA	İ		TOTAL (Cont.
										pages)
			2	21, MAIL INVOICE TO:			Multiple			
	a. NAME	RTP Fir	nance C	enter				\$125	,787.81	
SEE BILLING INSTRUCTIONS	b. STREET ADDRESS	US Envi	ronmen	tal Protecti	on Age	ncy				
ON REVERSE	(or P O Boy)	RTP-Fir				-		· ·		17(i)
		Mail D	op D14	3-02						GRANI TOTAL
			_	der Drive				\$125	,787.81	
	c. CITY	200 20	7.00		d. \$	STATE	e. ZIP CODE	7123	, 101.01	
	Durham				5	NC	27711	l		
22. UNITED	STATES OF						23. NAME (Typed)	30. 00 00.		
AMERIC	CA BY (Signature)						Jared Van I		EEICED	
							TITLE: CONTRACTING	UKDERING O	rriuek	

ORDER FOR SUPPLIES OR SERVICES **SCHEDULE - CONTINUATION**

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER CONTRACT NO.

PAGE NO

2

ORDER NO.

TEMNO SUPPLIES/SERVICES QUANTITY UNIT UNIT AMOUNT QUANTITY	09/20/201	13 EP-W-13-030			0007		
submitted on 09/18/2013 is hereby accepted for a 1-year period of performance. The price ceiling for this task order is \$125,787.81. The amount of funding currently available is \$125,000.00. TOPO: Dana M. Walker Max Expire Date: 08/22/2020 Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460 Accounting Info: 13T-72DP-303DD2-2505-HQ00BM001372DP5021-001 BFY: 13 Fund: T Budget Org: 72DP Program (PRC): 303DD2 Budget (BDC): 2505 Job #: HQ00BM00 DCN - Line ID: 1372DP5021-001 Period of Performance: 09/20/2013 to 09/04/2014 0001 Task Order Base Period Period of Performance: 09/20/2013 to 09/04/2014 Incrementally Funded Amount: \$125,000.00			ORDERED		PRICE	1	ACCEPTED
for a 1-year period of performance. The price ceiling for this task order is \$125,787.81. The amount of funding currently available is \$125,000.00. TOPO: Dana M. Walker Max Expire Date: 08/22/2020 Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460 Accounting Info: 13-T-72DP-303DD2-2505-HQ00BM001372DP5021-001 BFY: 13 Fund: T Budget Org: 72DP Program (PRC): 303DD2 Budget (BoC): 2505 Job #: HQ00BM00 DCN - Line ID: 1372DP5021-001 Period of Performance: 09/20/2013 to 09/04/2014 0001 Task Order Base Period Period of Performance: 09/20/2013 to 09/04/2014 Incrementally Funded Amount: \$125,000.00			(c)	(d)	(e)	(f)	(g)
Task Order Base Period Period of Performance: 09/20/2013 to 09/04/2014 Incrementally Funded Amount: \$125,000.00		for a 1-year period of performance. The price ceiling for this task order is \$125,787.81. The amount of funding currently available is \$125,000.00. TOPO: Dana M. Walker Max Expire Date: 08/22/2020 Admin Office: SRRPOD US Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3805R Washington DC 20460 Accounting Info: 13-T-72DP-303DD2-2505-HQ00BM001372DP5021-001 BFY: 13 Fund: T Budget Org: 72DP Program (PRC): 303DD2 Budget (BOC): 2505 Job #: HQ00BM00 DCN - Line ID: 1372DP5021-001 Period of Performance: 09/20/2013 to		1			
TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17/H)) \$125,787.81	0001	Task Order Base Period Period of Performance: 09/20/2013 to 09/04/2014 Incrementally Funded Amount: \$125,000.00				125,787.81	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 10 LABORATORY

7411 Beach Dr. East Port Orchard, Washington 98366

Statement of Work - Task Order 07 ESAT Contract EP-W-13-030 Period of Performance: 09/05/13 - 09/04/14

EPA Project Officer:

Dana Walker

EPA Alternate Project Officer:

Gerald Dodo

EPA Task Monitors:

Jed Januch, David L. Berry

Fluidized Bed Asbestos Segregator Evaluation

Project Background

The hazard posed by soils containing certain fibrous minerals, such as asbestos or erionite, depends on the amount of these minerals that can be suspended from the soil when it is disturbed. EPA has developed a method using a fluidized bed asbestos segregator (FBAS) for determining concentration of mineral fibers that can become airborne if the soil is disturbed. The FBAS utilizes air elutriation to separate fibrous mineral structures from heavier matrix particles and deposits them onto a filter that is analyzed by appropriate microscopic techniques such as transmission electron microscopy (TEM).

Previous research [Januch et al, 2013] has demonstrated there is an approximate linear relationship between the concentration of asbestos in performance evaluation standards (as mass percent) and the mean concentration estimated by TEM analysis following preparation by FBAS, expressed as asbestos structures captured on a filter per gram of test material. Method detection limits range from 0.002% to 0.005% by weight. The research also shows however, that recovery of asbestos fibers on a weight percent basis tends to be low when processing samples through the FBAS.

The FBAS air elutriation process maybe applicable to other soil borne mineral fibers such as erionite. Erionite is a fibrous aluminosilicate mineral known to occur in several locations in the western United States. Erionite, like asbestos, is considered to be a carcinogen and has been implicated in a mesothelioma endemic in Turkey. Recently, EPA has been involved in site assessments in which the amount of erionite in soil need to be determined.

Traditional site assessment has involved multiple sampling and analytical techniques. EPA has relied in the past on the California Air Resources Board (CARB) method 435 for analysis of bulk soil samples for asbestos. It is an optical microscopy method with a

minimum detection limit for asbestos of 0.25% based on point counting. Another method recently developed by ASTM is the Standard Test Method for Determination of Asbestos in Soil; D7521-13 also has a detection limit of 0.25% by weight but has optional procedures involving TEM analysis allow for a detection limit of 0.1 %. Comparison data on analytical sensitivity and reproducibility between these analytical methods and the FBAS method will be useful for EPA in further evaluation of options for site assessments.

Purpose

The purpose of this proposed task order (TO) is to provide technical and logistical support for three FBAS related studies: 1) FBAS recovery study; 2) feasibility of erionite sample processing by FBAS; and 3) FBAS/CARB 435/ASTM method D7521-13 comparison. EPA needs additional data to evaluate whether asbestos recovery can be improved using modified instrument components and procedures. In addition, data is needed to evaluate the applicability of the FBAS method to site assessments involving erionite. Last, a study comparing FBAS/CARB 435/ASTM D7521-13 methods is needed to evaluate analytical sensitivity and reproducibility using equivalent sample media (same soil type – mineral compositions, organic matter, moisture content, etc...).

Statement of Work

The contractor shall provide FBAS sample processing support and procure TEM analytical services, data review and validation services, equipment, and supplies as directed by the task monitor. The technical representative will determine the specifications for the services, equipment, and supplies based on the data quality objectives in the quality assurance project plans (QAPP).

Task Order Management

The Contractor shall track the status of tasks and labor hours and costs for each Task Matrix Area this TO, including each site-specific project if appropriate. The Contractor shall provide the PO with monthly reports of the above-referenced data. The initial report shall be in a format proposed by the Contractor. EPA will review the initial report and specify changes for subsequent reports through the issuance of a TDF.

ESAT management shall meet with the PO, Task Monitor(s), and other designated EPA representatives on a monthly basis or as needed, at agreed-upon times, to update EPA on the status of tasks and schedules for their completion and to address relevant administrative and technical issues.

The Contractor shall submit all deliverables required under this TO through a transmittal slip and cover letter identifying each document submitted. Each final deliverable submitted to the PO or Task Monitor shall be accompanied by an "Approval Tracking Form" in a format approved by EPA. The Contractor shall also maintain a hard copy and computer file of each deliverable submitted under this TO.

The Contractor shall immediately notify the PO and Task Monitor(s) as soon as it appears that schedules for the completion of any task may not be met. This notification shall be submitted via e-mail. The Contractor shall also notify the PO immediately upon learning of anything that may affect performance under this TO.

FBAS Recovery Study

To help improve FBAS recovery, modifications in FBAS design and sampling conditions will be evaluated. A prototype glass vessel with inner slope of the lower conical section increased from 45 degrees to 60 degrees will be tested to determine if more fibers are detected due to increased entrainment of particles that adhere to the lower inner surface. In addition, a static arresting device and variations in air humidity, vibration velocity, and airflow rate will be employed to eliminate or at least reduce static conditions that may cause fibers to adhere to the inner surfaces of the glass vessel.

Deliverables

Task 1- Procurement of Supplies and Equipment

- a. Contractors will procure certain equipment and supplies needed for this FBAS study including but not limited to rubber stoppers, plastic mesh, replacement glass vessels (either new or repaired), plastic tubing, and HDPE check valves.
- b. The quantity and design specifications for equipment and supplies will the determined by EPA's technical representative.
- c. Equipment and supplies will be delivered to the technical representative at the EPA Region 10 Laboratory.

Task 2 – Procure TEM analytical services

a. Contractor will arrange for analytical support at a laboratory capable of conducting TEM analysis of air samples by method ISO 10312 or 13794.

Analysis will be required for up to 50 samples in FY14.

- b. The contract laboratory will meet the specifications provided by EPA to the contractor in the QAPP and will be accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).
- c. Deliver data package to the technical representative at the EPA Region 10 Laboratory.

Task 3 – Data review and validation

a. Contractor will arrange for qualified expert to verify and validate the analytical data generated for this study.

b. A narrative report will be provided to the technical representative describing the results of data verification and validation.

Erionite Sample Processing

A series of two archived soils from Dunn County (DC), North Dakota roadbeds and one aggregate sample from the Custer National Forest (CNF) in Southeastern Montana, where gravel-containing erionite has been widely used for road surfaces, will be subjected to the FBAS soil preparation method. Results will be compared to sand and soil blanks and a soil that has been intentionally spiked with erionite from Rome, Oregon, will be included in the evaluation.

Deliverables

Task 1 -Procurement of Supplies and Equipment

- a. Contractors will procure certain equipment and supplies needed for this FBAS study including but not limited to rubber stoppers, plastic mesh, replacement glass vessels, plastic tubing, and HDPE check valves.
- b. Equipment and supplies will be delivered to the Troy Preparation Lab in Troy, Montana

Task 2 – Sample processing in the FBAS

a. Contractors will process soil in the FBAS according to the EPA Region 10 standard operating procedure for Sampling, Sample Preparation, and Operation of the Fluidized Bed Asbestos Segregator, OEAFIELDSOP-102, Revision 1.0, August 2011.

Task 3 – Procure TEM analytical services

- a. Contractor will arrange for analytical support at a laboratory capable of conducting TEM analysis of air samples by method ISO 10312 or 13794. Analysis will be required for up to 27 total samples in FY 14
- b. The contract laboratory will meet the specifications provided by EPA of the contractor in the QAPP and will be accredited NVLAP.
- c. Deliver data package to the technical representative at the EPA Region 8 office [electronic format provided by Region 8].

Task 4 - Data Review, validation, and reporting

- a. Contractor will arrange for qualified expert to verify and validate the analytical data generated for this study.
- b. A narrative report will be provided to the technical representative describing the results of the data verification and validations. A technical report will be provided the technical representative summarizing the data, evaluating the results, and providing a discussion of the applicability of the FBAS preparation method to erionite fibers in soils.

FBAS/CARB 435/ASTM D7521-13 Method Comparison

A series of archived soil samples from three different sites will be used in a study comparing FBAS/CARB 435/ASTM D7521-13 methods. EPA will evaluate analytical sensitivity and reproducibility between replicate samples run within laboratories and between laboratories.

Deliverables

Task 1 -Procurement of Supplies and Equipment

- a. Contractors will procure certain equipment and supplies needed for this FBAS study including but not limited to rubber stoppers, plastic mesh, replacement glass vessels, plastic tubing, and HDPE check valves.
- b. Equipment and supplies will be delivered to the Troy Preparation Lab in Troy, Montana.

Task 2 – Sample processing in the FBAS

a. Contractors will process soil in the FBAS according to the EPA Region 10 standard operating procedure for Sampling, Sample Preparation, and Operation of the Fluidized Bed Asbestos Segregator, OEAFIELDSOP-102, Revision 1.0, August 2011.

Task 3 – Procure TEM analytical services

- a. Contractor will arrange for analytical support at a laboratory capable of conducting TEM analysis of air samples by method ISO 10312 or 13794.

 Analysis will be required for up to 43 total samples in FY 14
- b. The contract laboratory will meet the specifications provided by EPA of the contractor in the QAPP and will be accredited by NVLAP.
- c. Deliver data package to the technical representative at the EPA Region 8 office [electronic format provided by Region 8].

Task 4 – Data Review, validation, and reporting

- a. Contractor will arrange for qualified expert to verify and validate the analytical data generated for this study.
- b. A narrative report will be provided to the technical representative describing the results of the data verification and validations. A technical report will be provided the technical representative summarizing the data and evaluating the comparison between methods.

Region 10 Laboratory Documentation

The Contractor shall comply with the most current version of the R10LAB QAM and SOPs relevant to this TO. The current versions of these documents can be found on the R10LAB computer network drive G:\.

The Contractor shall ensure that the most current documentation versions are being used.

ATTACHMENT I

The following is a summary list of the documents the Contractor shall deliver to the Project Officer for each data package delivered under Task Matrix area 2. The exact data package documents will be dependent on the analytical method and/or SOP (see individual TDFs for any additional requirements).

- 1. Approval Tracking Form.
- 2. Cover page with project narrative.
- 3. Completed peer review forms.
- 4. TDF.
- 5. Sample results (multi-analyte reports/data sheets) with calculated concentrations of each analyte, reporting limits, header information and qualifiers.
- 6. Quality control sample results, quality control parameters and control charts, if applicable.
- 7. All Raw data.
- 8. Project folder containing the laboratory support request, chain of custody, sample preparation and standards documentation.

Technology Transfer

The Contractor shall provide information to EPA personnel for the purpose of transferring knowledge of a specific analytical or QA technique or technology obtained in performing work under the ESAT contract. The PO will assign Technology Transfer activities through the issuance of a TDF.

The following additional terms and conditions are requirements of this task order:

CONTRACTING OFFICER'S REPRESENTATIVES

The individuals listed below are authorized representatives of the Contracting Officer for this task order. These individuals may issue perform Contracting Officer Representative (COR) functions as described in the contract clauses *Technical Direction* (EPAAR 1552.237-71) and *Authorized Representative of the Contract-Level COR* (EPA-G-42-102).

NameRoleDana WalkerTask Order CORGerald DodoAlternate Task Order COR

QUALITY ASSURANCE

Performance under this task order requires the contractor to prepare a Quality Assurance Project Plan (QAPP) to be included as part of the task order. The contractor shall submit a QAPP with its task order proposal in accordance with EPA Requirements for Quality Assurance Project Plans (QA/R-5) found here: http://www.epa.gov/QUALITY/qs-docs/r5-final.pdf. The contractor's QAPP must be approved by the Task Order Contracting Officer's Representative (TOCOR) and Quality Assurance Manager before task order award. After task order award, the contractor shall perform all tasks under this task order in accordance with the quality standards established in the QAPP.

TRAINING

Performance under this task order may require unique training that is allowable as a direct cost to the task order. The contractor shall submit requests for such training in accordance with the contract clause *Approval of Training* (EPA-H-31-105). Approval of task order proposals that include training as a materials cost shall not be construed to mean the training is approved. Separate approval for Contractor training shall be obtained from the Contract-Level COR.

VEHICLE USAGE

Performance under this task order may require the contractor to use motor vehicles. In deciding how to obtain vehicle services, the contractor shall follow the order of precedence and acquisition considerations in the contract clause *Motor Vehicle Usage (ESAT)* (CO Added).

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	NTRACT		1. CONTRACT ID CODE	F	AGE O	PAGES	
	45 346 10 70 Te				15.000	1	//* "	10
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE D			EQUISITION/PURCHASE REQ. NO.		JECT NO -HQ-1	ACAD 1704 1707 510	
001 6. ISSUED BY CODE	09/03/20	14		ADMINISTERED BY (If other than Item 6)	CODE	T -		
	SRRPOD			,		ļ		
SRRPOD US Environmental Protection Ariel Rios Building 1200 Pennsylvania Avenue, N. Mail Code: 3805R								
Washington DC 20460								
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and 2	(IP Code)	(x)	9A. AMENDMENT OF SOLICITATION NO.		•,		
		ľ	\dashv					
rechlaw, inc. Attn: JUDY MANLEY		:2	ł	9B. DATED (SEE ITEM 11)				
14500 AVION PKY STE 300				*				
(b)(4)		}		10A. MODIFICATION OF CONTRACT/ORDER	NO.			
CHANTILLY VA 201511108		į.	x	EP-W-13-030	110.			
				0007				
				10B. DATED (SEE ITEM 13)				
CODE 116211863	FACILITY CODI	E		09/20/2013				
	11. THIS ITE	MONLY APPLIES TO A	MEN	IDMENTS OF SOLICITATIONS				
The above numbered solicitation is amended as set for Offers must acknowledge receipt of this amendment of Items 8 and 15, and returning conseparate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offer to the solicitation and this amendment, and is received.	prior to the hour ar opies of the amend e to the solicitation OFFERS PRIOR er already submitte	nd date specified in the s iment; (b) By acknowled; I and amendment numbe TO THE HOUR AND DA ed, such change may be	solic ging ers. ATE ma	itation or as amended, by one of the following ma receipt of this amendment on each copy of the of FAILURE OF YOUR ACKNOWLEDGEMENT TO SPECIFIED MAY RESULT IN REJECTION OF 'de by telegram or letter, provided each telegram	offer subm O BE REC YOUR OF	nitted; or (CEIVED A FER. If b	c) By T y	
12. ACCOUNTING AND APPROPRIATION DATA (If re-		ing floor and date speci-	neu.					
See Schedule	44,,00)							
	ODIFICATION OF	CONTRACTS/ORDERS	S. 17	T MODIFIES THE CONTRACT/ORDER NO. AS D	ESCRIBE	D IN ITE	VI 14.	
X ORDER NO. IN ITEM 10A. Changes - Time-And-N	Materials	or Labor-Ho	ur	ANGES SET FORTH IN ITEM 14 ARE MADE IN S (FAR 52.243-3) (Sep 200 ADMINISTRATIVE CHANGES (such as change RITY OF FAR 43.103(b).	0)			
C. THIS SUPPLEMENTAL AGREEMEN							**	
D. OTHER (Specify type of modification	n and authority)							
				enging to the igen	ing office			
E. IMPORTANT: Contractor 🗵 is not,		sign this document and						
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 116211863	(Organized by U	CF section neadings, inc	CIUUI	ing solicitation/contract subject matter where rea	Sibie. j			
ESAT R10- Task Order 7:Fluid	dized Red	Ashestos Se	ar	egator Evaluation Projec	t Bac	karo	ınd	
ESAI RIU- lask Older 7:Fluid	ilzed bed	Aspestos be	91	egator hvaraation risjoo				
TOPO: Dana M. Walker Max Exp	pire Date	: 09/04/2016						
The purpose of this modifica	ation is	to add Line	Ιt	ems 2 and 3 for Option P	erio	d 1 (Year	2)
and Option Period 2 (Year 3)) to estal	blish a maxi	mu	m of 3 years of performa	nce u	ınder	this	
task order. The contractor's	s revised	cost model	su	bmitted 08/12/2014 is he	reby	acce	pted	for
years two and three. The tot	tal ceili	ng amount fo	r	Option Period 1 (Year 2)	is s	68,4	82.15	
and Option Period 2 (Year 3)) is \$70,	037.13. The	to	tal direct labor hour ce	iling	g for	Opti	on
Continued								
Except as provided herein, all terms and conditions of	the document refe	renced in Item 9A or 10	A, a	s heretofore changed, remains unchanged and in	n full force	and effe	ct.	
15A. NAME AND TITLE OF SIGNER (Type or print)			1	16A. NAME AND TITLE OF CONTRACTING OF	FICER (7	ype or pn	int)	
				Cynthia Frate				
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	_	"Cyrillia of Frate	ELECT	RONIC		E SIGNED
(Signature of person authorized to sign)				· 0		ATURE		
AND THE PROPERTY OF THE PARTY O					STANDA	ARD FOR	M 30 (RE	V. 10-83)

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243
 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED
 PAGE
 OF

 EP-W-13-030/0007/001
 2
 10

NAME OF OFFEROR OR CONTRACTOR TECHLAW. INC.

ITEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	Period 1 (Year 2) is 918 and Option Period 2				
	(Year 3) is 918. All other terms and conditions remain unchanged.		1		
	Tomarii diichangea.		1 1		
	LIST OF CHANGES:				
	Reason for Modification : Change Order Total Amount for this Modification: \$138,519.28		1 1		
	Maximum Potential Expiration Date changed to:			Ì	
	09/04/2016		1	ľ	
		8			
	Period of Performance: 09/20/2013 to 09/04/2014	ľ			
		e e			
002	Task Order Option Period 1				68,482.
	Period of Performance: 09/05/2014 to 09/04/2015 (Option Line Item)	1	1		
	09/05/2014	ł.	1		
			1		
003	Task Order Option Period 2				70,037.
303	Period of Performance: 09/05/2015 to 09/04/2016			ļ	•
	(Option Line Item)				
	09/05/2015		1 1		
			1 4		
				;	
			1		
		r	1		
	*	Ì	1		
			1	ļ	
		·			
				*	
	· ·		1		
			1		
		ŀ		ŕ	
				!	
		3			
		E			

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	NTRACT	161.5	1. CONTRACT ID CODE	P	AGE OF PAGES	
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE D	ATE 4	. REQ	UISITION/PURCHASE REQ. NO.	7.00 (10.00 (20.0	ECT NO. (If applicable)	,
002	09/05/20	14 F	R-S	RRPOD-14-00272	SOL-	HQ-12-00030	-
6. ISSUED BY CODE	SRRPOD		7. ADI	MINISTERED BY (If other than Item 6)	CODE		
SRRPOD US ENVIRONMENTAL PROTECTION ARIEL RIOS BUILDING 1200 PENNSYLVANIA AVENUE N W MAIL CODE 3805R WASHINGTON DC 20460							
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and Z	(IP Code)	x) 9A	AMENDMENT OF SOLICITATION NO.		1.0	
TECHLAW INC ATTN JUDY MANLEY 14500 AVION PKY STE 300 (b)(4) CHANTILLY VA 201511108		<u> </u>	× 10. E l	DATED (SEE ITEM 11) A. MODIFICATION OF CONTRACT/ORDER P-W-13-030 007 B. DATED (SEE ITEM 13)	NO.		
CODE 116211863	FACILITY CODE	E	0	9/20/2013			
	11. THIS ITE	I ONLY APPLIES TO A	MENDA	MENTS OF SOLICITATIONS	15. 20		
Offers must acknowledge receipt of this amendment patterns 8 and 15, and returning conseparate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offer to the solicitation and this amendment, and is receive 12. ACCOUNTING AND APPROPRIATION DATA (If received)	pies of the amend a to the solicitation OFFERS PRIOR of er already submitted d prior to the open	ment; (b) By acknowledo and amendment numbe TO THE HOUR AND DA ed, such change may be	ging reers. FA TE SP made	ceipt of this amendment on each copy of the output of the control	offer submi O BE REC YOUR OFF	tted; or (c) By EfVED AT ER. If by	
See Schedule							
13. THIS ITEM ONLY APPLIES TO N	ODIFICATION OF	CONTRACTS/ORDERS	. IT M	ODIFIES THE CONTRACT/ORDER NO. AS D	ESCRIBE	O IN ITEM 14.	
				GES SET FORTH IN ITEM 14 ARE MADE IN			
				OMINISTRATIVE CHANGES (such as change Y OF FAR 43.103(b).	es in paying	g office,	
C. THIS SUPPLEMENTAL AGREEMEN	NT IS ENTERED I	NTO PURSUANT TO AL	JTHOF	RITY OF:			
D. OTHER (Specify type of modification							
				3.8 Task Order Ordering	50 1545	edures	
		sign this document and					
14 DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 116211863 ESAT R10- Task Order 7:Fluid						kground	
TOPO: Dana M. Walker Max Exp The purpose of this modifica			Opti	on Period 1 (Year 2) o	f thi	s task order	s
and to reduce the total ceil	ling amour	nt for the ba	ase	period.			
The total ceiling amount for labor hour ceiling for Optic are being shifted fom the Baunder all task areas of the Continued Except as provided herein, all terms and conditions of	on Period ase Period task ord	1 (Year 2) : d (Year 1) to er statement	is 9 o Op of Aash	918. Funds in the amount of the period 1 (Year 2) work. eretofore changed, remains unchanged and in	t of to c	\$60,000.00 omplete work	c
15A. NAME AND TITLE OF SIGNER (Type or print)				. NAME AND TITLE OF CONTRACTING OF Inthia Frate	FICER (T)	pe or print)	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	10	Cyrillia of Frate	ELECTR		
(Signature of person authorized to sign)		<u> </u>		XI	2000	RD FORM 30 (REV. 10-	-83)

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243
 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED
 PAGE
 OF

 EP-W-13-030/0007/002
 2
 2

NAME OF OFFEROR OR CONTRACTOR

TECHLAW INC

TEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	The total ceiling amount for the Base Period (Year 1) is reduced by \$60,000.00, from \$125,787.81 to \$65,787.81 (the current funded amount), in order to align year one task orders and the contract base period ceiling, and to comply with the Limitation of Government's Obligation under task orders.				
	LIST OF CHANGES: Reason for Modification: Exercise an Option and Shift Funding Period Of Performance End Date changed from 2014-09-04 to 2015-09-04 Total Amount for this Modification: -\$60,000.00 New Total Amount for this Version: \$134,269.96 New Total Amount for this Award: \$204,307.09 Shifted Amount for this Modification: \$60,000.00				,
	CHANGES FOR LINE ITEM NUMBER: 1 Total Ceiling Amount changed from \$125,787.81 to \$65,787.81 Obligated Amount for this modification: -\$60,000.00 Incremental Funded Amount changed from \$125,000.00 to \$65,000.00	,			
	CHANGES FOR ACCOUNTING CODE: 13T-72DP-303DD2-2505-HQ00BM001372DP5021-001 Amount changed from \$125,000.00 to \$65,000.00				
	CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this modification: \$60,000.00 Incremental Funded Amount changed from \$0.00 to \$60,000.00 Exercised option	,			
	NEW ACCOUNTING CODE ADDED: Account code: 13-T-72DP-303DD2-2505-HQ00BM00-1372DP5021-001 Amount: \$60,000.00				
	Total Task Order Value: \$134,269.96 (Base Period: \$65,787.81) (Option Period 1: \$68,482.15) Total Task Order Value with all Options: \$204,307.09 Period of Performance: 09/20/2013 to 09/04/2015				

D 414545151515	T OF SOLICITATION/MODIFIC	ATION OF CONTRACT		CONTRACT ID CODE	PAGE OF PAGES
∠ AMENUMENT/	MODIFICATION NO.	3. EFFECTIVE DATE	4. RE	QUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
003		See Block 16C	PR-S	SRRPOD-15-00228	SOL-HQ-12-00030
6. ISSUED BY	CODE	SRRPOD	7. AD	MINISTERED BY (If other than Item 6)	CODE
ARIEL RIO 1200 PENN MAIL CODE	ONMENTAL PROTECTION OS BUILDING NSYLVANIA AVENUE N W E 3805R ON DC 20460				
	DDRESS OF CONTRACTOR (No., stree	t, county, State and ZIP Code)	(x) 9/	A. AMENDMENT OF SOLICITATION NO.	
rechlaw i Attn Judy 14500 AVI (b)(4)	INC		x 11 E	B. DATED (SEE ITEM 11) DA. MODIFICATION OF CONTRACT/ORDE P-W-13-030 1007 DB. DATED (SEE ITEM 13)	ER NO.
CODE 116	211062	FACILITY CODE	 ↓	09/20/2013	
116	5211863	11. THIS ITEM ONLY APPLIES	1 1		
THE PLACE II virtue of this a to the solicitat 12. ACCOUNTIN	DESIGNATED FOR THE RECEIPT OF amendment you desire to change an off tion and this amendment, and is receive NG AND APPROPRIATION DATA (If re	OFFERS PRIOR TO THE HOUR AN er already submitted, such change mand d prior to the opening hour and date	ID DATE SI ay be made	AILURE OF YOUR ACKNOWLEDGEMENT PECIFIED MAY RESULT IN REJECTION O a by telegram or letter, provided each telegra	F YOUR OFFER. If by
See Sche				MODIFIES THE CONTRACT/ORDER NO. AS	P DECODIDED IN ITEM 44
		CT/ORDER IS MODIFIED TO REFL H IN ITEM 14, PURSUANT TO THE	ECT THE A	ADMINISTRATIVE CHANGES (such as char TY OF FAR 43.103(b).	
x 1	B.5 Limitation of Go D. OTHER (Specify type of modification	overnment's Obligat		.,,,,	
E IMPORTANT	Contractor Dis not	x is required to sign this documen	nt and retur	n 1 copies to the is	ssuing office.
E. IMPORTANT					
DUNS Num	ber: 116211863	(Organized by UCF section heading			
DUNS Num ESAT R10 TOCOR: D The purp Period (task are Period (ber: 116211863 Task Order 7:Fluidena M. Walker Max Expose of this modifically are 1) to Option Peas of the task order (Year 1) is reduced 1	dized Bed Asbestos kpire Date: 09/04/2 ation is to shift feriod 1 (Year 2) of r statement of work by \$8,482.15, from	Segre 2016 funds f this k. The \$65,7	gator Evaluation Projection the amount of \$8,48 task order to complete total ceiling amount 87.81 to \$57,305.66.	ect Background 32.15 from Base te work under all for the Base
DUNS Num ESAT R10 TOCOR: D The purp Period (task are Period (funding LIST OF Reason f Continue	ber: 116211863 Task Order 7:Fluid and M. Walker Max Expose of this modification Potas of the task order (Year 1) is reduced available on this to CHANGES: Tor Modification : Field	dized Bed Asbestos kpire Date: 09/04/2 ation is to shift for eriod 1 (Year 2) of r statement of work \$8,482.15, from ask order, \$125,000 unding Only Action	Segre 2016 funds f this k. The \$65,7	gator Evaluation Projection the amount of \$8,480 task order to complete total ceiling amount 87.81 to \$57,305.66. Tremains unchanged.	ect Background 32.15 from Base te work under all for the Base The total amount of
DUNS Num ESAT R10 TOCOR: D The purp Period (task are Period (funding LIST OF Reason f Continue Except as prov	ber: 116211863 Task Order 7:Fluid and M. Walker Max Expose of this modification Potas of the task order (Year 1) is reduced available on this to CHANGES: Tor Modification : Field	dized Bed Asbestos kpire Date: 09/04/2 ation is to shift for eriod 1 (Year 2) of r statement of work \$8,482.15, from ask order, \$125,000 unding Only Action	Segre 2016 funds f this k. The \$65,7 0.00,	gator Evaluation Projection the amount of \$8,48 task order to complete total ceiling amount 87.81 to \$57,305.66.	ect Background 32.15 from Base te work under all for the Base The total amount of
DUNS Num ESAT R10 TOCOR: D The purp Period (task are Period (funding LIST OF Reason f Continue Except as prov	aber: 116211863 Task Order 7:Fluid and M. Walker Max Expose of this modification Power of the task order (Year 1) to Option Power as of the task order (Year 1) is reduced available on this to CHANGES: Tor Modification : Fixed wided herein, all terms and conditions of	dized Bed Asbestos kpire Date: 09/04/2 ation is to shift for eriod 1 (Year 2) of r statement of work \$8,482.15, from ask order, \$125,000 unding Only Action	Segre 2016 funds f this k. The \$65,70.00,	gator Evaluation Projection the amount of \$8,48 task order to complete total ceiling amount 87.81 to \$57,305.66. Tremains unchanged.	ect Background 32.15 from Base te work under all for the Base The total amount of
DUNS Num ESAT R10 TOCOR: D The purp Period (task are Period (funding LIST OF Reason f Continue Except as prov 15A. NAME AN	aber: 116211863 Task Order 7:Fluid and M. Walker Max Expose of this modification Power of the task order (Year 1) to Option Power as of the task order (Year 1) is reduced available on this to CHANGES: Tor Modification : Fixed wided herein, all terms and conditions of	dized Bed Asbestos kpire Date: 09/04/2 ation is to shift for eriod 1 (Year 2) of r statement of work \$8,482.15, from ask order, \$125,000 unding Only Action	Segre 2016 funds f this k. The \$65,7 0.00,	gator Evaluation Projection the amount of \$8,48 task order to complete total ceiling amount 87.81 to \$57,305.66. Tremains unchanged. heretofore changed, remains unchanged and AL NAME AND TITLE OF CONTRACTING	ect Background 32.15 from Base te work under all for the Base The total amount of

STANDARD FORM 30 (REV. 10-Prescribed by GSA FAR (48 CFR) 53.243
 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED
 PAGE
 OF

 EP-W-13-030/0007/003
 2
 2

NAME OF OFFEROR OR CONTRACTOR

TECHLAW INC

TEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
-	Total Amount for this Modification: -\$8,482.15				- No.
	New Total Amount for this Version: \$125,787.81				
	New Total Amount for this Award: \$195,824.94				
	UNIONG TOD LINE TOTAL NUMBER. 1				
	HANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$65,787.81 to \$57,305.66			ľ	
	Obligated Amount for this modification: -\$8,482.15				
	Incremental Funded Amount changed from \$65,000.00				
	to \$56,517.85				
	CHANGES FOR ACCOUNTING CODE:				
	13T-72DP-303DD2-2505-HQ00BM001372DP5021-001				
	Amount changed from \$65,000.00 to \$56,517.85				
	CHANGES FOR LINE ITEM NUMBER: 2	2			
	Obligated Amount for this modification: \$8,482.15				
	Incremental Funded Amount changed from \$60,000.00	l	1		
	to \$68,482.15				
	CHANGES FOR ACCOUNTING CORE.	2			
	CHANGES FOR ACCOUNTING CODE: , 13-T-72DP-303DD2-2505-HQ00BM00-1372DP5021-001	1			
	Amount changed from \$60,000.00 to \$68,482.15				
	Amount changed from \$60,000.00 to \$60,402.15	i			
	Total Task Order Value: \$125,787.81				
	(Base Period: \$57,305.66)				
	(Option Period 1: \$68,482.15)		1 1		
	Total Task Order Value with all Options:			·	
	\$195,824.94				
	Total Task Order Funded Amount: \$125,000.00 (Base Period: \$56,517.85)		1	fe.	
	(Option Period 1: \$68,482.15)	ł			
	Period of Performance: 09/20/2013 to 09/04/2015	8			
				į	
		ł			
				1	
			1 1		
		1			
		ŀ	1		
-		l	1 1		
	·	1			
			1 1		
			1 [
	·				
				ļ	
		c			
		1	1 1		

AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CO	ONTRACT		CONTRACT ID CODE		PAGE OF	PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE	DATE	4. RE0	UUISITION/PURCHASE REQ. NO.	5. PR	1 OJECT NO.	(If applicable)
004	See Bloc	k 16C	PR-S	SRRPOD-16-00094	SOL	-HQ-12	2-00030
6. ISSUED BY CODE	SRRPOD		7. AD	MINISTERED BY (If other than Item 6)	CODE		-
SRRPOD US ENVIRONMENTAL PROTECTION ARIEL RIOS BUILDING 1200 PENNSYLVANIA AVENUE N W MAIL CODE 3805R WASHINGTON DC 20460		·					
B. NAME AND ADDRESS OF CONTRACTOR (No., street	, county, State and	ZIP Code)	(\ 9A	. AMENDMENT OF SOLICITATION NO.			
CECHLAW INC ATTN JUDY MANLEY .4500 AVION PKY STE 300 (b)(4) CHANTILLY VA 201511108			9E x 10 E 0	A. MODIFICATION OF CONTRACT/ORDER IP-W-13-030	NO.		
CODE 116211863	FACILITY COD	E	1	9/20/2013			
	11. THIS ITE	M ONLY APPLIES TO A		MENTS OF SOLICITATIONS			
Items 8 and 15, and returning co separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an offe reference to the solicitation and this amendment, and 12. ACCOUNTING AND APPROPRIATION DATA (If req	e to the solicitation OFFERS PRIOR or already submitt is received prior	n and amendment numbe TO THE HOUR AND DA ted , such change may be to the opening hour and	ers. F TE SP made date sp	ECIFIED MAY RESULT IN REJECTION OF You by telegram or letter, provided each telegram secified.	O BE RE OUR OFI or letter	CEIVED AT FER If by makes	
See Schedule	uncuj	Net	Dec	crease: -	\$10,	167.66	
	CT/ORDER IS ME H IN ITEM 14, PU	ODIFIED TO REFLECT TO THE AUTH	THE ALL	GES SET FORTH IN ITEM 14 ARE MADE IN OMINISTRATIVE CHANGES (such as changes of FAR 43.103(b).			
D. OTHER (Specify type of modification	and authority)						
X B.5 Limitation of Go	overnment	's Obligatio	n				
E. IMPORTANT: Contractor is not.	is required t	o sign this document and	d return	copies to the issui	ng office		
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: 116211863	(Organized by U	CF section headings, inc	duding	solicitation/contract subject matter where feas	sible.)		
ESAT R10- Task Order 7:Fluid TOCOR: Dana M. Walker Max Ex				gator Evaluation Projec	t Bac	ckgroui	nd
The purpose of this modifica reobligate funds in the amou bring the total amount funde	int of \$1	0,167.66 to	Tas	Order 9 of the same c			
LIST OF CHANGES: Reason for Modification : Fu Continued	nnding On	ly Action					
Except as provided herein, all terms and conditions of t	he document refe	erenced in Item 9 A or 10	_				
15A. NAME AND TITLE OF SIGNER (Type or print)				. NAME AND TITLE OF CONTRACTING OFF nthia Frate	FIGER (/	ype or print,	ī
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		UNITED STATES OF AMERICA		16	C. DATE SIGNED
		İ	-	(Simplifying of Charles Wing Office)		_ [
(Signature of person authorized to sign)	***	L		(Signature of Contracting Officer)	STANDA	BD FORM	30 (REV 10-83)

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243
 CONTINUATION SHEET
 REFERENCE NO. OF DOCUMENT BEING CONTINUED
 PAGE
 OF

 EP-W-13-030/0007/004
 2
 2

NAME OF OFFEROR OR CONTRACTOR
TECHLAW INC

TEM NO.	SUPPLIES/SERVICES	QUANTITY	1	UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	Obligated Amount for this Modification:				
	-\$10,167.66				
	New Total Obligated Amount for this Award:		1	ł	
	\$114,832.34		1 1		
	Incremental Funded Amount changed: from				
	\$125,000.00 to \$114,832.34				
	AND THE WINDER 1		1 1	i	
	CHANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$57,305.66 to \$47,138.00		1 1		
	Obligated Amount for this modification:		1	9	
	-\$10,167.66		1		
	Incremental Funded Amount changed from \$56,517.85	1			
	to \$46,350.19	ŀ	1	-	
	CHANGES FOR ACCOUNTING CODE:	i i	1		
	13T-72DP-303DD2-2505-HQ00BM001372DP5021-001				
	Amount changed from \$56,517.85 to \$46,350.19				
	9				
	Period of Performance: 09/20/2013 to 09/04/2015				
	Tellod of Tellot.mander				
			4		
	*	1			
		·			
		,			
		1			
		Ì			
				ľ	
		1			
	x .				
					·
			í		
			1		
		3		Y	
	· ·		1		
		1			1